

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (currently amended) A multiple stage brush seal adapted to restrict a fluid flow through a gap between a first component and a second component, comprising:

a body;

a plurality of brush packs secured to said body; and

a plurality of passageways through said body for introducing a cooling flow to said gap, said passageways each having a first end that is exposed to said gap and corresponding to a respective one of said brush packs, and a second end that is not exposed to said gap;

wherein each stage of said brush seal includes at least one of said plurality of passageways;

said second end comprising a fluid inlet and communicating with an outlet of a fluid line which extends through said first component and which communicates with a source of fluid.

2. (currently amended) The brush seal of claim 1, wherein said body comprises a side plate and a backing plate, and one of said passageways extends through said side plate and has an inlet which engages an outlet of a fluid line which extends through

said first component and which receives a fluid flow through
said outlet.

3. (currently amended) ~~The~~ A multiple stage brush seal of claim
2, adapted to restrict a fluid flow through a gap between a
first component and a second component, comprising:

a body;

a plurality of brush packs secured to said body;

a plurality of passageways through said body for
introducing a cooling flow to said gap, said passageways each
having a first ends that is exposed to said gap and
corresponding to a respective one of said brush packs, and a
second end that is not exposed to said gap;

wherein each stage of said brush seal includes at least one
of said plurality of passageways;

wherein said body comprises a side plate and a backing
plate, and one of said passageways extends through said side
plate; and

wherein said side plate includes a windage cover, and one
of said passageways extends through said windage cover.

4. (original) The brush seal of claim 1, wherein said first end
is adjacent said brush pack.

5 - 6. (cancelled)

7. (currently amended) The combination of claim ~~6~~ 1, wherein said first component comprises a stationary component.

8. (original) The combination of claim 7, wherein said first component comprises a stationary component of a gas turbine engine.

9 - 25. (cancelled)

26. (previously presented) The brush seal of claim 4, wherein said first end is upstream of said brush pack.

27 - 30. (cancelled)

31. (previously presented) A multiple stage brush seal adapted to restrict a fluid flow through a gap between a first component and a second component, comprising:

a plurality of side plates having windage covers;

a plurality of backing plates;

a plurality of brush packs secured to said side plates and backing plates; and

a plurality of passageways for introducing a cooling flow to said gap, said passageways each having a first end that is exposed to said gap and corresponding to a respective one of said brush packs, and a second end that is not exposed to said gap;

wherein each stage of said brush seal includes at least one of said plurality of passageways, and at least one of said passageways extends through one of said windage covers.

32. (currently amended) In combination:

a first component having a plurality of passageways extending therethrough, and said passageways receiving fluid from a header in said first component; and

a multiple stage brush seal adapted to restrict a fluid flow through a gap between said first component and a second component, said brush seal comprising:

a body;

a plurality of brush packs secured to said body; and

a plurality of passageways through said body for introducing a cooling flow to said gap, said passageways each having a first end that is exposed to said gap and corresponding to a respective one of said brush packs, and a second end that is not exposed to said gap,

wherein each of said passageways of said first component is in communication with a respective one of said second ends of said passageways of said brush seal.

33. (previously presented) The combination of claim 32, wherein said first component comprises a stationary component.

34. (previously presented) The combination of claim 33, wherein said first component comprises a stationary component of a gas turbine engine.

35. (previously presented) The brush seal of claim 31, wherein said first end is adjacent said brush pack.

36. (previously presented) The brush seal of claim 35, wherein said first end is upstream of said brush pack.

37. (previously presented) The brush seal of claim 31, in combination with said first component, wherein said first component also has a passageway therethrough in communication with said second ends of said passageways of said brush seal.

38. (previously presented) The combination of claim 37, wherein said first component comprises a stationary component.

39. (previously presented) The combination of claim 38, wherein said first component comprises a stationary component of a gas turbine engine.

40. (previously presented) The combination of claim 32, wherein said body comprises a side plate and a backing plate, and one of said passageways extends through said side plate.

41. (currently amended) ~~The~~ In combination ~~of claim 40,~~ :

a first component having a passageway therethrough;

a multiple stage brush seal adapted to restrict a fluid flow through a gap between said first component and a second component, said brush seal comprising:

a body;

a plurality of brush packs secured to said body; and

a plurality of passageways through said body for introducing a cooling flow to said gap, said passageways each having a first end that is exposed to said gap and corresponding to a respective one of said brush packs, and a second end that is not exposed to said gap;

wherein said passageway of said first component is in communication with said second ends of said passageways of said brush seal;

wherein said body comprises a side plate and a backing plate, and one of said passageways extends through said side plate; and

wherein said side plate includes a windage cover, and one of said passageways extends through said windage cover.

42. (previously presented) The combination of claim 32, wherein said first end is adjacent said brush pack.

43. (previously presented) The combination of claim 42, wherein said first end is upstream of said brush pack.

44. (new) A system comprising:

a brush seal having a body;

a brush pack secured to said body;

said body including a backing plate and a side plate having a portion spaced from said brush pack and forming a gap therewith;

an engine component having means for introducing a cooling fluid into said gap; and

said brush pack having a first end which contacts said body and a second end which contacts a surface of said engine component.

45. (new) The system of claim 44 wherein said engine component is a rotating component.

46. (new) The system of claim 44, wherein said fluid introducing means comprises a passageway in said second component in communication with a cooling fluid source.